

**FIGURE 1.**

GCAGCGCCGGC CTGAGAGCCC TGTGGACAAC CTCGTCATTG TCAGGCACAG  
AGCGGTAGAC CCTGCTTCTC TAAGTGGGCA GCGGACAGCG GCACGCACAT  
TTCACCTGTC CCGCAGACAA CAGCACCATC TGCTTGGGAG AACCTCTCC  
CTTCTCTGAG AAAGAAAGAT GTCGAATGGG TATTCCACAG ACGAGAATT  
CCGCTATCTC ATCTCGTGCT TCAGGGCCAG GGTGAAAATG TACATCCAGG  
TGGAGCCTGT GCTGGACTAC CTGACCTTTC TGCCTGCAGA GGTGAAGGAG  
CAGATTAGA GGACAGTCGC CACCTCCGGG AACATGCAGG CAGTTGAACT  
GCTGCTGAGC ACCTTGGAGA AGGGAGTCTG GCACCTTGGT TGGACTCGGG  
AATTCTGGA GGCCCTCCGG AGAACCGGCA GCCCTCTGGC CGCCCGCTAC  
ATGAACCTG AGCTCACGGA CTTGCCCTCT CCATCGTTG AGAACGCTCA  
TGATGAATAT CTCCAACCTGC TGAACCTCCT TCAGCCCCT CTGGTGGACA  
AGCTTCTAGT TAGAGACGTC TTGGATAAGT GCATGGAGGA GGAACGTGTTG  
ACAATTGAAG ACAGAAACCG GATTGCTGCT GCAGAAAACA ATGGAAATGA  
ATCAGGTGTA AGAGAGCTAC TAAAAAGGAT TGTGCAGAAA GAAAACGTGTT  
TCTCTGCATT TCTGAATGTT CTTCGTCAAA CAGGAAACAA TGAACCTGTC  
CAAGAGTTAA CAGGCTCTGA TTGCTCAGAA AGCAATGCAG AGATTGAGAA  
TTTATCACAA GTTGATGGTC CTCAAGTGGA AGAGCAACTT CTTTCAACCA  
CAGTTCAGCC AAATCTGGAG AAGGAGGTCT GGGGCATGGA GAATAACTCA  
TCAGAATCAT CTTTGCGAGA TTCTCTGTA GTTTCAGAAT CAGACACAAG  
TTTGGCAGAA GGAAGTGTCA GCTGCTTAGA TGAAAGTCTT GGACATAACA  
GCAACATGGG CAGTGATTCA GGCACCATGG GAAGTGATTG AGATGAAGAG  
AATGTGGCAG CAAGAGCATC CCCGGAGCCA GAACTCCAGC TCAGGCCTTA  
CCAAATGGAA GTTGCCCAGC CAGCCTTGGA AGGGAAGAAT ATCATCATCT  
GCCTCCCTAC AGGGAGTGGA AAAACCAGAG TGGCTGTTA CATTGCCAAG  
GATCACTTAG ACAAGAAGAA AAAAGCATCT GAGCCTGGAA AAGTTATAGT  
TCTTGTCAAT AAGGTACTGC TAGTTGAACA GCTCTCCGC AAGGAGTTCC  
AACCATTTT GAAGAAATGG TATCGTGTAA TTGGATTAAG TGGTGATACC  
CAACTGAAAA TATCATTTC AGAAGTTGTC AAGTCCTGTG ATATTATTAT  
CAGTACAGCT CAAATCCTTG AAAACTCCCT CTTAAACTTG GAAAATGGAG  
AAGATGCTGG TGTTCAATTG TCAGACTTT CCCTCATTAT CATTGATGAA  
TGTCACTACA CCAACAAAGA AGCAGTGTAT AATAACATCA TGAGGCATTA  
TTTGATGCAG AAGTTGAAAA ACAATAGACT CAAGAAAGAA AACAAACCAG  
TGATTCCCCT TCCTCAGATA CTGGGACTAA CAGCTTCACC TGGTGTGGA  
GGGGCCACGA AGCAAGCCAA AGCTGAAGAA CACATTTAA AACTATGTGC

CAATCTTGAT GCATTTACTA TTAAAACGT TAAAGAAAAC CTTGATCAAC  
TGAAAAACCA AATACAGGAG CCATGCAAGA AGTTGCCAT TGCAGATGCA  
ACCAGAGAAG ATCCATTAA AGAGAAACTT CTAGAAATAA TGACAAGGAT  
TCAAACTTAT TGTCAAATGA GTCCAATGTC AGATTTGGA ACTCAACCCT  
ATGAACAAATG GGCCATTCAA ATGGAAAAAA AAGCTGCAA AAAAGGAAAT  
CGCAAAGAAC GTGTTGTGC AGAACATTG AGGAAGTACA ATGAGGCCCT  
ACAAATTAAAT GACACAATTG GAATGATAGA TGCYTACT CATCTGAAA  
CTTTCTATAA TGAAGAGAAA GATAAGAAGT TTGCAGTCAT AGAAGATGAT  
AGTGTGAGG GTGGTGATGA TGAGTATTGT GATGGTGATG AAGATGAGGA  
TGATTAAAG AACCTTTGA AACTGGATGA AACAGATAGA TTTCTCATGA  
CTTTATTTTG TGAAAACAAT AAAATGTTGA AAAGGCTGGC TGAAAACCCA  
GAATATGAAA ATGAAAAGCT GACCAAATTA AGAAATACCA TAATGGAGCA  
ATATACTAGG ACTGAGGAAT CAGCACGAGG AATAATCTT ACAAAAACAC  
GACAGAGTGC ATATGCGCTT TCCCAGTGGA TTACTGAAAA TGAAAAATT  
GCTGAAGTAG GAGTCAAAGC CCACCCTG ATTGGAGCTG GACACAGCAG  
TGAGTTCAAA CCCATGACAC AGAATGAACA AAAAGAAGTC ATTAGTAAAT  
TTCGCACGG AAAAATCAAT CTGCTTATCG CTACCACAGT GGCAGAAGAA  
GGTCTGGATA TTAAAGAATG TAACATTGTT ATCCGTTATG GTCTCGTCAC  
CAATGAAATA GCCATGGTCC AGGCCCGTGG TCGAGCCAGA GCTGATGAGA  
GCACCTACGT CCTGGTTGCT CACAGTGGTT CAGGAGTTAT CGAACATGAG  
ACAGTTAATG ATTTCCGAGA GAAGATGATG TATAAAGCTA TACATTGTGT  
TCAAAATATG AAACCAGAGG AGTATGCTCA TAAGATTTG GAATTACAGA  
TGCAAAGTAT AATGGAAAAG AAAATGAAAAA CCAAGAGAAA TATTGCCAAG  
CATTACAAGA ATAACCCATC ACTAATAACT TTCCCTTGCA AAAACTGCAG  
TGTGCTAGCC TGTCTGGGG AAGATATCCA TGTATTGAG AAAATGCATC  
ACGTCAATAT GACCCCAGAA TTCAAGGAAC TTTACATTGT AAGAGAAAAC  
AAAGCACTGC AAAAGAAGTG TGCCGACTAT CAAATAATG GTGAAATCAT  
CTGCAAATGT GGCCAGGCTT GGGGAACAAT GATGGTGCAC AAAGGCTTAG  
ATTTGCCTTG TCTCAAAATA AGGAATTTG TAGTGGTTT CAAAAATAAT  
TCAACAAAGA AACAAATACAA AAAGTGGGTAA GAATTACCTA TCACATTTCC  
CAATCTTGAC TATTCAAGAAT GCTGTTATT TAGTGATGAG GATTAGCACT  
TGATTGAAGA TTCTTTAAA ATACTATCAG TTAAACATTT AATATGATTA  
TGATTAATGT ATTCAATTATG CTACAGAACT GACATAAGAA TCAATAAAAT  
GATTGTTTA CTCTG

**FIGURE 2.**

MSNGYSTDEN FRYLISCFCRA RVKMYIQVEP VLDYLTFLPA EVKEQIQRTV  
ATSGNMQAVE LLLSTLEKGV WHLGWTREFV EALRRTGSPL AARYMNPELT  
DLPSPSFENA HDEYLQLLN LQPTLVDKLL VRDVLDKCME EELLTIEDRN  
RIAAAENNGN ESGVRELLKR IVQKENWFSA FLNVLRQTGN NELVQELTGS  
DCSESNAEIE NLSQVDGPQV EEQLLSTTVQ PNLEKEWGM ENNSSESSFA  
DSSVVSESDT SLAEGSVSCL DESLGHNSNM GSDSGTMGSD SDEENVAARA  
SPEPELQLRP YQMEVAQPAL EGKNIIICLP TGSGKTRVAV YIAKDHLDKK  
KKASEPGKVI VLVNKVLLVE QLFRKEFQPF LKKWYRVIDL SGDTQLKISF  
PEVVKSCDII ISTAQILENS LLNLNGEDA GVQLSDFSLI I IDECHHTNK  
EAVYNNIMRH YLMQKLKNR LKKENKPVIP LPQILGLTAS PGVGGATKQA  
KAEEHILKLC ANLDAFTIKT VKENLDQLKN QIQEPCKKFA IADATREDPF  
KEKLLEIMTR IQTYCQMSPM SDFGTQPYEQ WAIQMEKKAA KKGNRKERVC  
AEHLRKYNEA LQINDTIRMI DAYTHLETFY NEEKDKKFAV IEDDSDEGGD  
DEYCDGDEDE DDLKKPLKLD ETDRFLMTLF FENNKMLKRL AENPEYENEK  
LTKLRNTIME QYTRTEESAR GIIFTKTRQS AYALSQWITE NEKFAEVGVK  
AHHLIGAGHS SEFKPMTQNE QKEVISKFRG GKINLLIATT VAEEGLDIKE  
CNIVIRYGLV TNEIAMVQAR GRARADESTY VLVAHSGSGV IEHETVNDFR  
EKMMYKAIHC VQNMKPEEYA HKILELQMQS IMEKKMKTFR NIAKHYKNNP  
SLITFLCKNC SVLACSGEDI HVIEKMHHVN MTPEFKELYI VRENKALQKK  
CADYQINGEI ICKCGQAWGT MMVHKGLDLP CLKIRNFVVV FKNNSTKKQY  
KKWVELPITF PNLDYSECCL FSDED•

3.4614A PCR USA A (sheet 4 of 15)

FIGURE 3

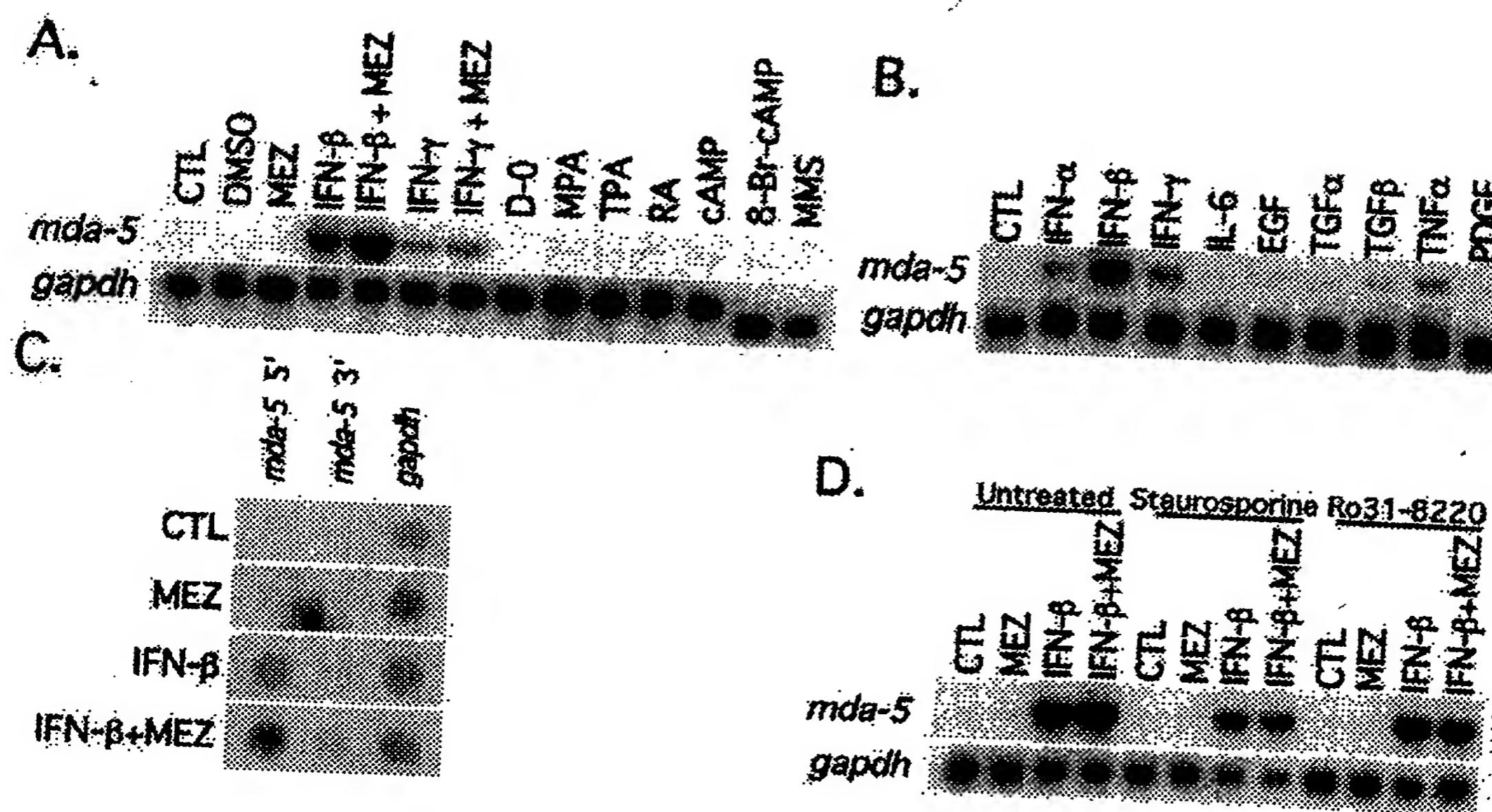
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agagagaatt	gctttcctt	tctgtttcc	gcgggtgtcc	taaccaaag
gcctcctctc	tcaccggcc	cgaccaaaa	gtggcgtct	cctgaggaa
actccctccc	gccaggcag	ttacgttta	aaagtcttg	gaagagaat
cgaaacagaa	ccaaagtca	gcaaactct	taagaactg	ctgacagaa
agctggactc	aagctccta	ccgagtgtg	agcaggatc	ccccgggtcc
gggaccccccag	cgcacaccg	agagtccaa	gtgccgcgc	tgcgggccg
cacctgcctg	cgcggcccc	cgcgcccgc	cgctgccc	ctgcccggcc
tgcccacctg	ccaggtgctg	gtgcagccc	gcgcgcccgg	ctgagagcc
ctgtggacaa	ctcgtcatt	tcaggcaca	agcggtaga	cctgcttct
ntaagtggc	gcggacagc	gcacgcaca	ttcacctgt	ccgcagaca
ctgcttggga	aaccctctc	tttctctga	aaagaaaga	gtcgaatgg
gtattccaca	acgagaatt	ccgctatct	atctcgtgc	tcagggcca
gggtgaaaat	tacatccag	tggagcctg	gctggacta	ctgacctt
ctgcctgcag	ggtgaagga	cagattcag	ggacagtcg	cacctccgg
gaacatgcag	cagttgaac	gctgctgag	accttggag	aggagatct
ggcaccttgg	tggactcg	aattcgtgg	ggccctccg	agaaccggc
agccctctgg	cgcggcta	atgaaccct	agctcacgg	cttgcctc
tccatcgttt	agaacgctc	tgatgaata	ctccaactg	tgaacctcc
ttcagccac	ctgggtggac	agctt		

## FIGURE 4

34614APCT USAA (sheet 5 of 5)

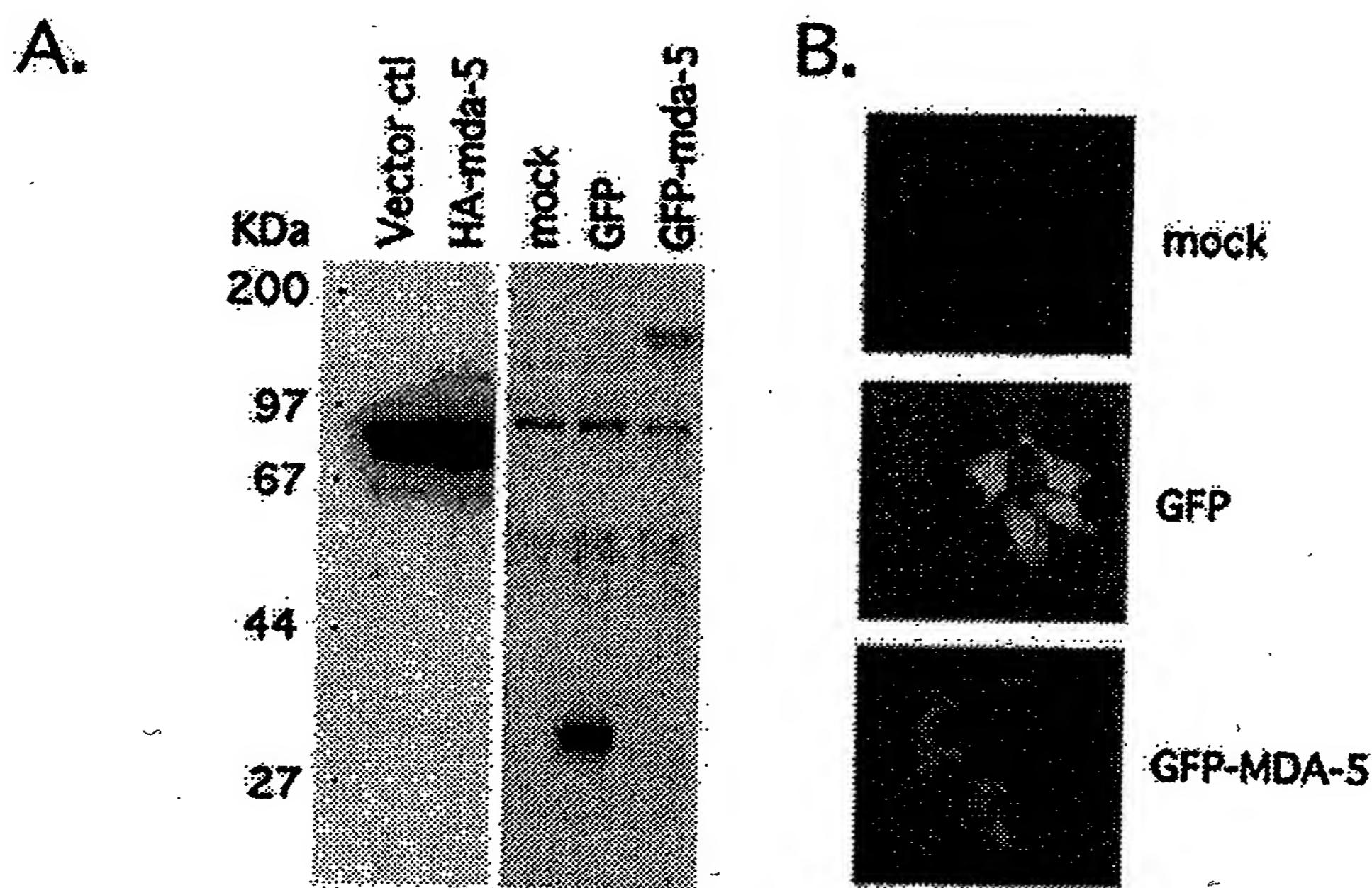
34614A PCT USA A (Sheet 6 of 15)

## FIGURE 5 A-D



34.614A PCT USAA (sheet 7 of 15)

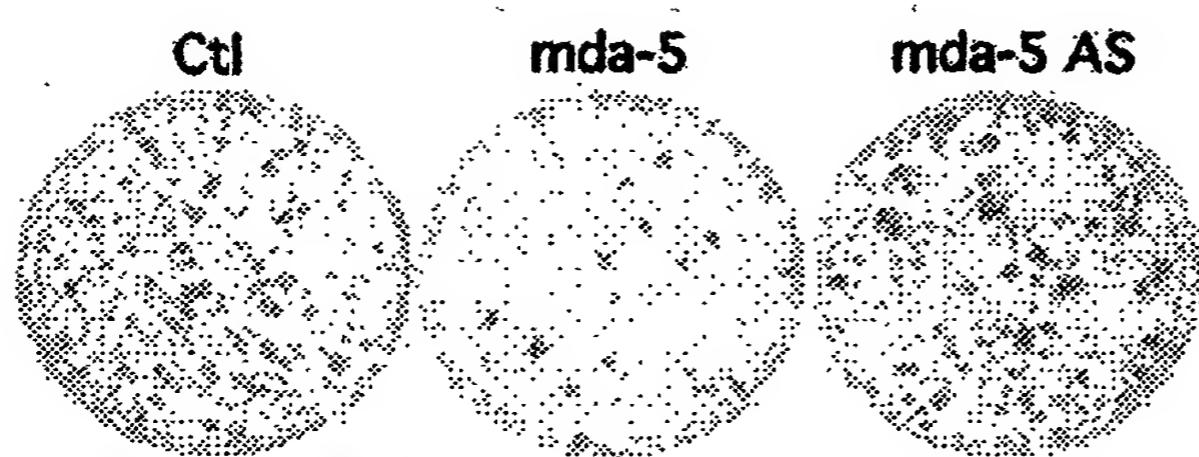
## FIGURE 6 A-B



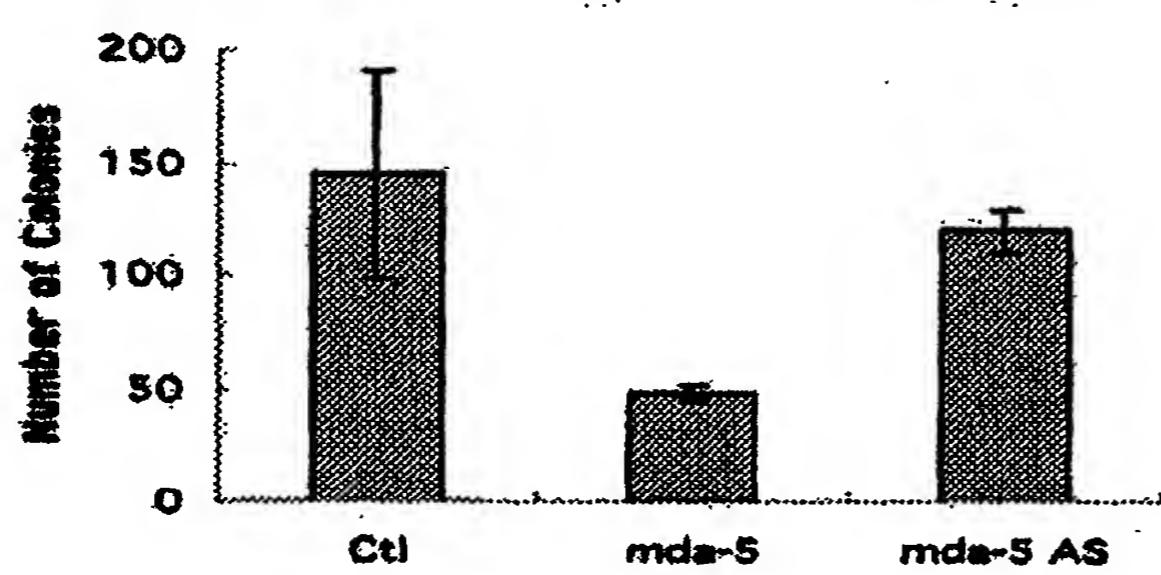
34614 A PCT USA A (sheet 8 of 15)

## FIGURE 7 A-B

A.



B.



**FIGURE 8 A-D**

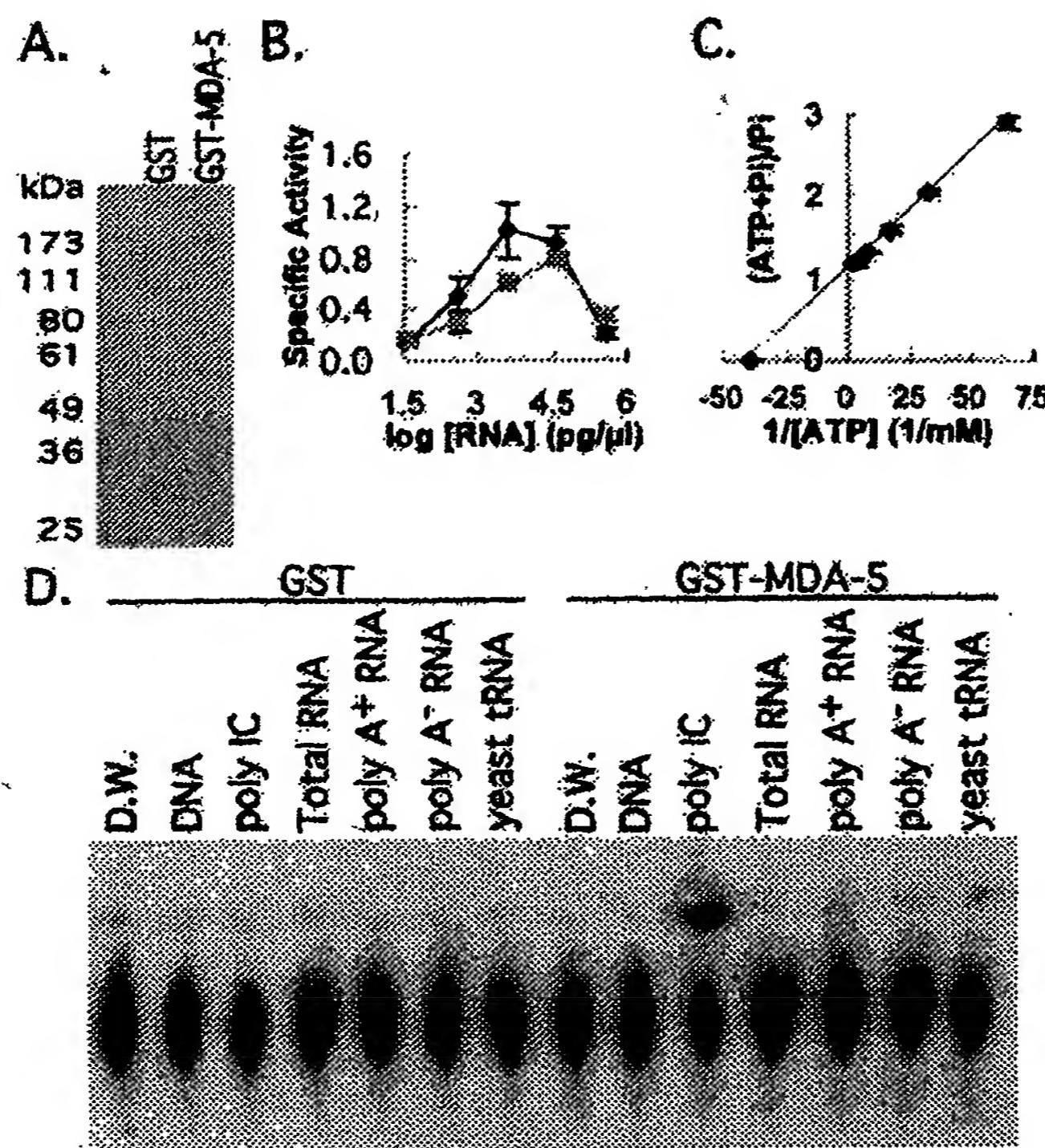


FIGURE 9

GCGCGCCGGC CTGAGAGCCC TGTGGACAAC CTCGTCATTG TCAGGCACAG  
 AGCGGTAGAC CCTGCTTCTC TAAGTGGCA CGGGACAGCG GCACGCACAT  
 TTCACCTGTC CCGCAGACAA CAGCACCATC TGCTTGGAG AACCTCTCC  
 CTTCTCTGAG AAAGAAAGAT GTCGAATGGG TATTCCACAG ACGAGAATT  
 CCGCTATCTC ATCTCGTGC TCAGGGCCAG GGTGAAAATG TACATCCAGG  
 TGGAGCCTGT GCTGGACTAC CTGACCTTC TGCCTGCAGA GGTGAAGGAG  
 CAGATTAGA GGACAGTCGC CACCTCCGGG AACATGCAGG CAGTTGAAC  
 GCTGCTGAGC ACCCTGGAGA AGGGAGTCTG GCACCTTGGT TGGACTCGGG  
 AATTCTGGA GGCCCTCCGG AGAACCGGCA GCCCTCTGGC CGCCCGCTAC  
 ATGAACCCCTG AGCTCACCGA CTTGCCCTCT CCATCGTTG AGAACGCTCA  
 TGATGAATAT CTCCAACCTGC TGAACCTCCT TCAGCCCAC ACTGGTGGACA  
 AGCTTCTAGT TAGAGACGTC TTGGATAAGT GCATGGAGGA GGAACGTGTT  
 ACAATTGAAG ACAGAAACCG GATTGCTGCT GCAGAAAACA ATGGAAATGA  
 ATCAGGTGTA AGAGAGCTAC TAAAAAAGGAT TGTGCAGAAA GAAAACCTGGT  
 TCTCTGCATT TCTGAATGTT CTTCTGCAAA CAGGAAACAA TGAACTTGTC  
 CAAGAGTTAA CAGGCTCTGA TTGCTCAGAA AGCAATGCAG AGATTGAGAA  
 TTTATCACAA GTTGATGGTC CTCAAGTGGA AGAGCAACTT CTTTCAACCA  
 CAGTTCAGCC AAATCTGGAG AAGGAGGTCT GGGGCATGGA GAATAACTCA  
 TCAGAACATCAT CTTTGCAGA TTCTTCTGTA GTTTCAGAAT CAGACACAAG  
 TTTGGCAGAA GGAAGTGTCA GCTGCTTAGA TGAAAGTCTT GGACATAACA  
 GCAACATGGG CAGTGATTCA GGCACCATGG GAAGTGATTG AGATGAAGAG  
 AATGTGGCAG CAAGAGCATC TCCGGAGCCA GAACTCCAGC TCAGGCCTTA  
 CCAAATGGAA GTTGCCTCAGC CAGCCTTGGA AGGGAAGAAT ATCATCATCT  
 GCCTCCCTAC AGGGAGTGGA AAAACCAGAG TGGCTGTTA CATTGCCAAG  
 GATCACTTAG ACAAGAAGAA AAAAGCATCT GAGCCTGGAA AAGTTATAGT  
 TCTTGTCAAT AAGGTACTGC TAGTTGAACA GCTCTTCCGC AAGGAGTTCC  
 AACCAATTGTT GAAGAAATGG TATCGTGTAA TTGGATTAAG TGGTGTACCC  
 CAACTGAAAAT TATCATTCC AGAAGTTGTC AAGTCCTGTG ATATTATT  
 CAGTACAGCT CAAATCCTG AAAACTCCCT CTTAAACTTG GAAAATGGAG  
 AAGATGCTGG TGTTCAATTG TCAGACTTT CCCTCATTAT CATTGATGAA  
 TGTCACTACA CCAACAAAGA AGCAGTGTAT AATAACATCA TGAGGCATTA  
 TTTGATGCAG AAGTTGAAA ACAATAGACT CAAGAAAGAA AACAAACCAG  
 TGATTCCCT TCCTCAGATA CTGGGACTAA CAGCTTCACC TGGTGTGG  
 GGGGCCACGA AGCAAGCCAA AGCTGAAGAA CACATTAA AACTATGTGC  
 CAATCTTGAT GCATTTACTA TTAAAAGTGT TAAAGAAAAC CTTGATCAAC  
 TGAAAAACCA AATACAGGAG CCATGCAAGA AGTTGCCAT TGCAGATGCA  
 ACCAGAGAAG ATCCATTAA AGAGAAACTT CTAGAAATAA TGACAAGGAT  
 TCAAAACTTAT TGTCAAATGA GTCCAATGTC AGATTTGGA ACTCAACCCT  
 ATGAACAAATG GGCCATTCAA ATGGAAAAAA AAGCTGCAA AGAAGGAAAT  
 CGCAAAGAAC GTGTTGTGC AGAACATTG AGGAAGTACA ATGAGGCCCT  
 ACAAAATTAAT GACACAATTG GAATGATAGA TGCCTACT CATCTGAAA  
 CTTTCTATAA TGAAGAGAAA GATAAGAAGT TTGCAGTCAT AGAAGATGAT  
 AGTGATGAGG GTGGTGATGA TGAGTATTGT GATGGTGATG AAGATGAGGA  
 TGATTAAAG AACCTTTGA AACTGGATGA AACAGATAGA TTTCTCATGA  
 CTTTATTTTG TGAAAACAAT AAAATGTTGA AAAGGCTGGC TGAAAACCCA

GAATATGAAA ATGAAAAGCT GACCAAATTA AGAAATACCA TAATGGAGCA  
ATATACTAGG ACTGAGGAAT CAGCACGAGG AATAATCTT ACAAAAACAC  
GACAGAGTGC ATATGCGCTT TCCCAGTGGA TTACTGAAAA TGAAAAATT  
GCTGAAGTAG GAGTCAAAGC CCACCATCTG ATTGGAGCTG GACACAGCAG  
TGAGTTCAAA CCCATGACAC AGAATGAACA AAAAGAAGTC ATTAGTAAAT  
TTCGCACTGG AAAAATAAAT CTGCTTATCG CTACCCACAGT GGCAGAAGAA  
GGTCTGGATA TTAAAGAATG TAACATTGTT ATCCGTTATG GTCTCGTCAC  
CAATGAAATA GCCATGGTCC AGGCCCGTGG TCGAGCCAGA GCTGATGAGA  
GCACCTACGT CCTGGTTGCT CACAGTGGTT CAGGAGTTAT CGAACGTGAG  
ACAGTTAATG ATTCCGAGA GAAGATGATG TATAAAGCTA TACATTGTGT  
TCAAAATATG AAACCAGAGG AGTATGCTCA TAAGATTTG GAATTACAGA  
TGCAAAGTAT AATGGAAAAG AAAATGAAAA CCAAGAGAAA TATTGCCAAG  
CATTACAAGA ATAACCCATC ACTAATAACT TTCCTTGCA AAAACTGCAG  
TGTGCTAGCC TGTTCTGGGG AAGATATCCA TGTAATTGAG AAAATGCATC  
ACGTCAATAT GACCCCAGAA TTCAAGGAAC TTTACATTGT AAGAGAAAAC  
AAAGCACTGC AAAAGAAGTG TGCCGACTAT CAAATAAATG GTGAAATCAT  
CTGCAAATGT GGCCAGGCTT GGGGAACAAT GATGGTGCAC AAAGGCTTAG  
ATTTGCCTTG TCTCAAATA AGGAATTTG TAGTGGTTT CAAAATAAT  
TCAACAAAGA AACAAATACAA AAAGTGGTA GAATTACCTA TCACATTTCC  
CAATCTTGAC TATTCAAAT GCTGTTATT TAGTGATGAG GATTAGCACT  
TGATTGAAGA TTCTTTAAA ATACTATCAG TTAAACATT AATATGATTA  
TGATTAATGT ATTCAATTATG CTACAGAACT GACATAAGAA TCAATAAAAT  
GATTGTTTA CTCTGCATTG AACTCTTTT AAGAACACAA TATATTATGC  
ATTATCCATC TTATTGTTGG GCAGAGGTAA GGAAAATCTA CCAATAATTC  
TCATTAAGTGT GGAGCATTAT AGTCCTGTGG AAAGAATGCT GAAGTACAAA  
TGAGAATCCA AAGTACCAAGT CTCAGTTCTG TCACTAATTT TCAGAATAAA  
ATTAGGCAAA TCAGTTCAAA AAAAAAAA AAAAAAAA AAAAAAAA  
AAAAAAA AAAAAAAA AAAAAA

FIGURE 10

MSNGYSTDEN FRYLISCFRA RVKMYIQVEP VLDYLTFLPA EVKEQIQRTV  
ATSGNMQAVE LLLSTLEKGV WHLGWTREFV EALRRTGSPL AARYMNPELT  
DLPSPSFENA HDEYLQLLN LQPTLVDKLL VRDVLDKCME EELLTIEDRN  
RIAAAENNGN ESGVRELLKR IVQKENWFSA FLNVLRQTGN NELVQELTGS  
DCSESNAEIE NLSQVDGPQV EEQLLSTTVQ PNLEKEVWGM ENNSSESSFA  
DSSVVSESDT SLAEGSVSCL DESLGHNSNM GSDSGTMGSD SDEENVAARA  
SPEPELQLRP YQMEVAQPAL EGKNIIICLP TGSGKTRVAV YIAKDHLKK  
KKASEPGKVI VLVNKVLLVE QLFRKEFQPF LKKWYRVIDL SGDTQLKISF  
PEVVKSCDII ISTAQILENS LLNLENGEDA GVQLSDFSLI I IDECHHTNK  
EAVYNNIMRH YLMQKLKNR LKKENKPVIP LPQILGLTAS PGVGGATKQA  
KAEEHILKLC ANLDAFTIKT VKENLDQLKN QIQEPCKKFA IADATREDPF  
KEKLLEIMTR IQTYCQMSM SDFGTQPYEQ WAIQMEKCAA KEGNRKERVC  
AEHLRKYNEA LQINDTIRMI DAYTHLETFY NEEKDKKFAV IEDDSDEGGD  
DEYCDGDEDE DDLKKPLKLD ETDRFLMTLF FENNKMLKRL AENPEYENEK  
LTKLRNTIME QYTRTEESAR GIIFTKTRQS AYALSQWITE NEKFAEVGVK  
AHHLIGAGHS SEFKPMTQNE QKEVISKFRT GGINLLIATT VAEEGLDIKE  
CNIVIRYGLV TNEIAMVQAR GRARADESTY VLVAHSGSGV IERETVNDFR  
EKMMYKAIHC VQNMKPEEYA HKILELQMQS IMEKKMKTFR NIAKHYKNNP  
SLITFLCKNC SVLACSGEDI HVIEKMHHVN MTPEFKELYI VRENKALQKK  
CADYQINGEI ICKCGQAWGT MMVHKGLDLP CLKIRNFVVV FKNNSTKKQY  
KKWVELPITF PNLDYSECCL FSDED•

34614APCTUSA A (sheet 13 of 15)

FIGURE 11

CGCGGCCGGC CTGAGAGCCC TGTGGACAAC CTCGTCATTG TCAGGCACAG  
AGCGGTAGAC CCTGCTTCTC TAAGTGGGCA GCGGACAGCG GCACGCACAT  
TTCACCTGTC CCGCAGACAA CAGCACCATC TGCTTGGAG AACCTCTCC  
CTTCTCTGAG AAAGAAAGAT GTCGAATGGG TATTCCACAG ACGAGAATT  
CCGCTATCTC ATCTCGTGCT TCAGGGCCAG GGTGAAAATG TACATCCAGG  
TGGAGCCTGT GCTGGACTAC CTGACCTTTC TGCCTGCAGA GGTGAAGGAG  
CAGATTCAGA GGACAGTCGC CACCTCCGGG AACATGCAGG CAGTTGAAC  
GCTGCTGAGC ACCTTGGAGA AGGGAGTCTG GCACCTTGGT TGGACTCGGG  
AATTCGTGGA GGCCCTCCGG AGAACCGGCA GCCCTCTGGC CGCCCGCTAC  
ATGAACCCCTG AGCTCACCGA CTTGCCCTCT CCATCGTTG AGAACGCTCA  
TGATGAATAT CTCCAACACTGC TGAACCTCCT TCAGCCCCTCT GCTGGAGA  
AGCTTCTAGT TAGAGACGTC TTGGATAAGT GCATGGAGGA GGAACGTGTT  
ACAATTGAAG ACAGAAACCG GATTGCTGCT GCAGAAAACA ATGGAAATGA  
ATCAGGTGTA AGAGAGCTAC TAAAAAAGGAT TGTGCAGAAA GAAAACCTGGT  
TCTCTGCATT TCTGAATGTT CTTCGTCAAA CAGGAAACAA TGAACCTGTC  
CAAGAGTTAA CAGGCTCTGA TTGCTCAGAA AGCAATGCAG AGATTGAGAA  
TTTATCACAA GTTGATGGTC CTCAAGTGGA AGAGCAACTT CTTTCAACCA  
CAGTTCAGCC AAATCTGGAG AAGGAGGTCT GGGGCATGGA GAATAACTCA  
TCAGAATCAT CTTTGCGAGA TTCTTCTGTA GTTTCAGAAT CAGACACAAG  
TTTGGCAGAA GGAAGTGTCA GCTGCTTAGA TGAAAGTCTT GGACATAACA  
GCAACATGGG CAGTGATTCA GGCACCATGG GAAGTGATTG AGATGAAGAG  
AATGTGGCAG CAAGAGCATC CCCGGAGCCA GAACTCCAGC TCAGGCCTTA  
CCAAATGGAA GTTGCCCAGC CAGCCTTGGA AGGGAAGAAT ATCATCATCT  
GCCTCCCTAC AGGGAGTGGG AAAACCAGAG TGGCTGTTA CATTGCCAAG  
GATCACTTAG ACAAGAAGAA AAAAGCATCT GAGCCTGGAA AAGTTATAGT  
TCTTGTCAAT AAGGTACTGC TAGTTGAACA GCTCTCCGC AAGGAGTTCC  
AACCATTTT GAAGAAATGG TATCGTGTAA TTGGATTAAG TGGTGATACC  
CAAATGAAAA TATCATTCC AGAAGTTGTC AAGTCCTGTG ATATTATTAT  
CAGTACAGCT CAAATCCTG AAAACTCCCT CTTAAACTTG GAAAATGGAG  
AAGATGCTGG TGTCAATTG TCAGACTTT CCCTCATTAT CATTGATGAA  
TGTCACTACA CCAACAAAGA AGCAGTGTAT AATAACATCA TGAGGCATTA  
TTTGATGCAG AAGTTGAAAA ACAATAGACT CAAGAAAGAA AACAAACCAG  
TGATTCCCCT TCCTCAGATA CTGGGACTAA CAGCTTCACC TGGTGTGGA  
GGGGCCACGA AGCAAGCCAA AGCTGAAGAA CACATTTAA AACTATGTGC

CAATCTTGAT GCATTTACTA TTAAAACGT TAAAGAAAAC CTTGATCAAC  
TGAAAAACCA AATACAGGAG CCATGCAAGA AGTTGCCAT TGCAGATGCA  
ACCAGAGAAG ATCCATTAA AGAGAAACTT CTAGAAATAA TGACAAGGAT  
TCAAACCTAT TGTCAAATGA GTCCAATGTC AGATTTGGA ACTCAACCCT  
ATGAACAATG GGCCATTCAA ATGGAAAAAA AAGCTGAAA AGAAGGAAAT  
CGCAAAGAAC GTGTTGTGC AGAACATTG AGGAAGTACA ATGAGGCCCT  
ACAAATTAAT GACACAATTG GAATGATAGA TGCCTATACT CATCTGAAA  
CTTTCTATAA TGAAGAGAAA GATAAGAAGT TTGCAGTCAT AGAAGATGAT  
AGTGATGAGG GTGGTGATGA TGAGTATTGT GATGGTGATG AAGATGAGGA  
TGATTTAAAG AACCTTTGA AACTGGATGA AACAGATAGA TTTCTCATGA  
CTTTATTTTG TGAAAACAAT AAAATGTTGA AAAGGCTGGC TGAAAACCCA  
GAATATGAAA ATGAAAAGCT GACCAAATTA AGAAATACCA TAATGGAGCA  
ATATACTAGG ACTGAGGAAT CAGCACGAGG AATAATCTT ACAAAAACAC  
GACAGAGTGC ATATGCGCTT TCCCAGTGGA TTACTGAAAA TGAAAATT  
GCTGAAGTAG GAGTCAAAGC CCACCCTCTG ATTGGAGCTG GACACAGCAG  
TGAGTTCAAA CCCATGACAC AGAATGAACA AAAAGAAGTC ATTGTAAT  
TTCGCACTGG AAAAATAAAT CTGCTTATCG CTACCACAGT GGCAGAAGAA  
GGTCTGGATA TTAAAGAATG TAACATTGTT ATCCGTTATG GTCTCGTCAC  
CAATGAAATA GCCATGGTCC AGGCCCGTGG TCGAGCCAGA GCTGATGAGA  
GCACCTACGT CCTGGTTGCT CACAGTGGTT CAGGAGTTAT CGAACATGAG  
ACAGTTAATG ATTCGGAGA GAAGATGATG TATAAAGCTA TACATTGTGT  
TCAAAATATG AAACCAGAGG AGTATGCTCA TAAGATTTG GAATTACAGA  
TGCAAAGTAT AATGGAAAAG AAAATGAAAA CCAAGAGAAA TATTGCCAAG  
CATTACAAGA ATAACCCATC ACTAATAACT TTCCTTGCA AAAACTGCAG  
TGTGCTAGCC TGTTCTGGGG AAGATATCCA TGTAATTGAG AAAATGCATC  
ACGTCAATAT GACCCAGAA TTCAAGGAAC TTTACATTGT AAGAGAAAAC  
AAAGCACTGC AAAAGAAGTG TGCCGACTAT CAAATAATG GTGAAATCAT  
CTGCAAATGT GGCCAGGCTT GGGGAACAAT GATGGTGCAC AAAGGCTTAG  
ATTTGCCTTG TCTCAAAATA AGGAATTTG TAGTGGTTT CAAAAATAAT  
TCAACAAAGA AACAAATACAA AAAGTGGGTAA GAATTACCTA TCACATTTCC  
CAATCTTGAC TATTCAAGAAT GCTGTTATT TAGTGATGAG GATTAGCACT  
TGATTGAAGA TTCTTTAAA ATACTATCAG TTAAACATT AATATGATTA  
TGATTAATGT ATTCAATTATG CTACAGAACT GACATAAGAA TCAATAAAAT  
GATTGTTTA CTCTG

**FIGURE 12**

MSNGYSTDEN FRYLISCFRA RVKMYIQVEP VLDYLTFLPA EVKEQIQRTV  
ATSGNMQAVE LLLSTLEKGV WHLGWTREFV EALRRTGSPL AARYMNPELT  
DLPSPSFENA HDEYLQLLN LQPTLVDKLL VRDVLDKCME EELLTIEDRN  
RIAAAENNGN ESGVRELLKR IVQKENWFSA FLNVLRQTGN NELVQELTGS  
DCSESNAEIE NLSQVDGPQV EEQLLSTTVQ PNLEKEWGM ENNSSESSFA  
DSSVVSESDT SLAEGSVSCL DESLGHNSNM GSDSGTMGSD SDEENVAARA  
SPEPELQLRP YQMEVAQPAL EGKNIIICLP TGSGKTRVAV YIAKDHLKK  
KKASEPGKVI VLVNKVLLVE QLFRKEFQPF LKKWYRVIDL SGDTQLKISF  
PEVVKSCDII ISTAQILENS LLNLNGEDA GVQLSDFSLI IIDECHHTNK  
EAVYNNIMRH YLMQKLKNR LKKENKPVIP LPQILGLTAS PGVGGATKQA  
KAEEHILKLC ANLDAFTIKT VKENLDQLKN QIQEPCKKFA IADATREDPF  
KEKLLEIMTR IQTYCQMSPM SDFGTQPYEQ WAIQMEKKA KEGNRKERVC  
AEHLRKYNEA LQINDTIRMI DAYTHLETFY NEEKDKKFAV IEDDSDEGGD  
DEYCDGDEDE DDLKKPLKLD ETDRFLMTLF FENNMLKRL AENPEYENEK  
LTKLRNTIME QYTRTEESAR GIIFTKTRQS AYALSQWITE NEKFAEVGVK  
AHHLIGAGHS SEFKPMTQNE QKEVISKFRT GGINLLIATT VAEELDIKE  
CNIVIRYGLV TNEIAMVQAR GRARADESTY VLVAHSGSGV IEHETVNDFR  
EKMMYKAIHC VQNMKPEEYA HKILELQMQS IMEKKMKTFR NIAKHYKNP  
SLITFLCKNC SVLACSGEDI HVIEKMHHVN MTPEFKELYI VRENKALQKK  
CADYQINGEI ICKCGQAWGT MMVHKGLDLP CLKIRNFVVV FKNNSTKKQY  
KKWVELPITF PNLDYSECCL FSDED•